

Figure 1.

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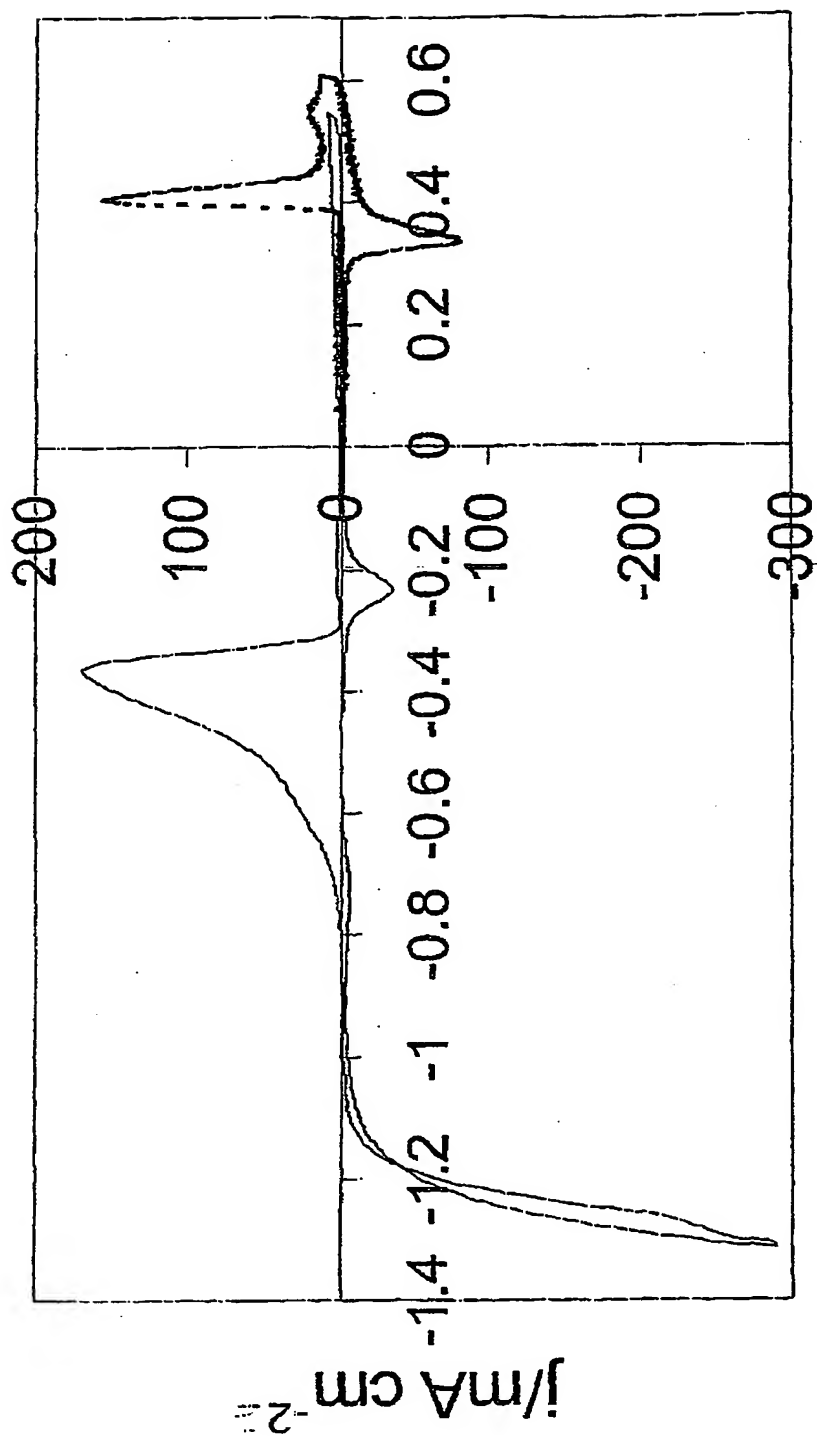
 E vs Hg/HgO /V

Figure 2

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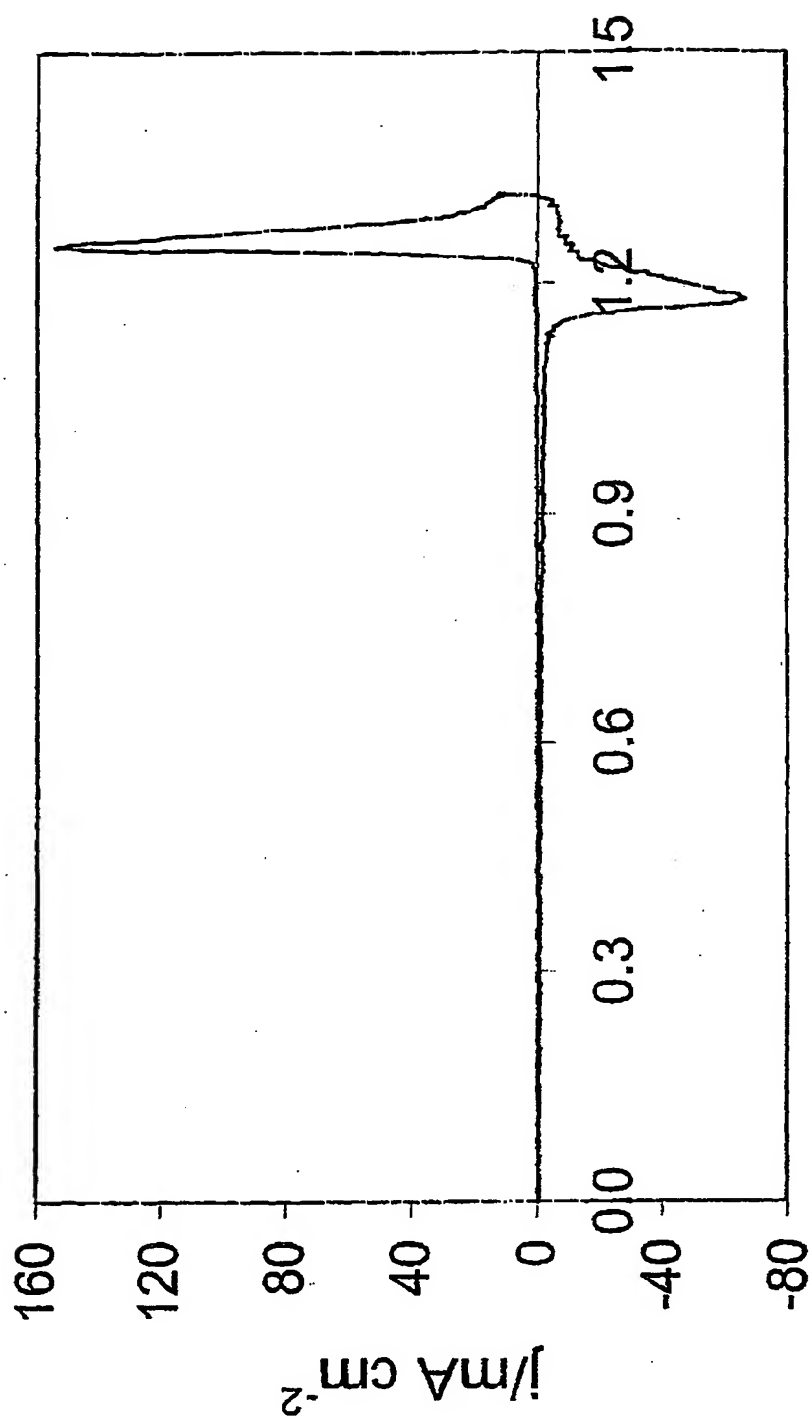
 E/V

Figure 3.

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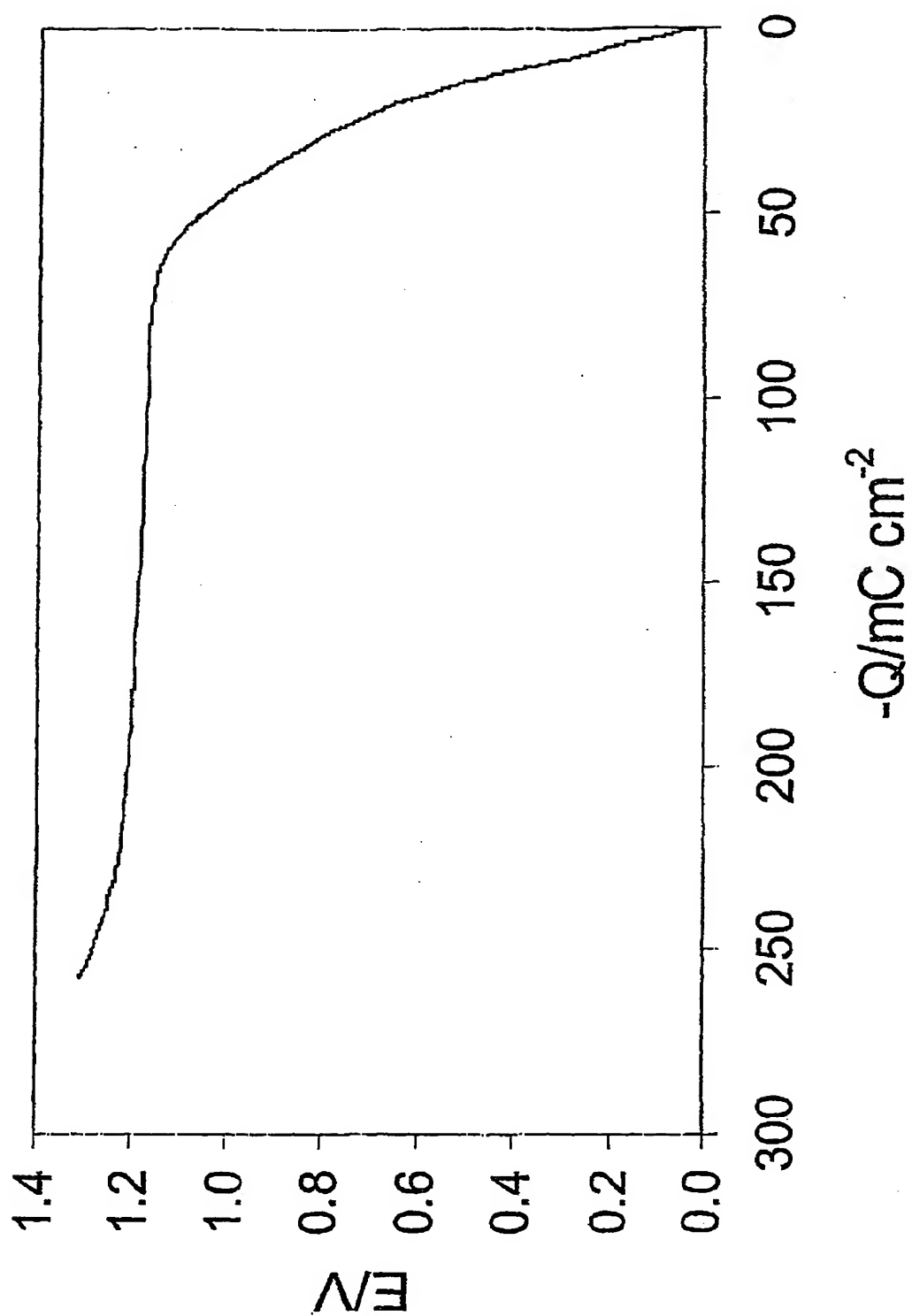


Figure 4.

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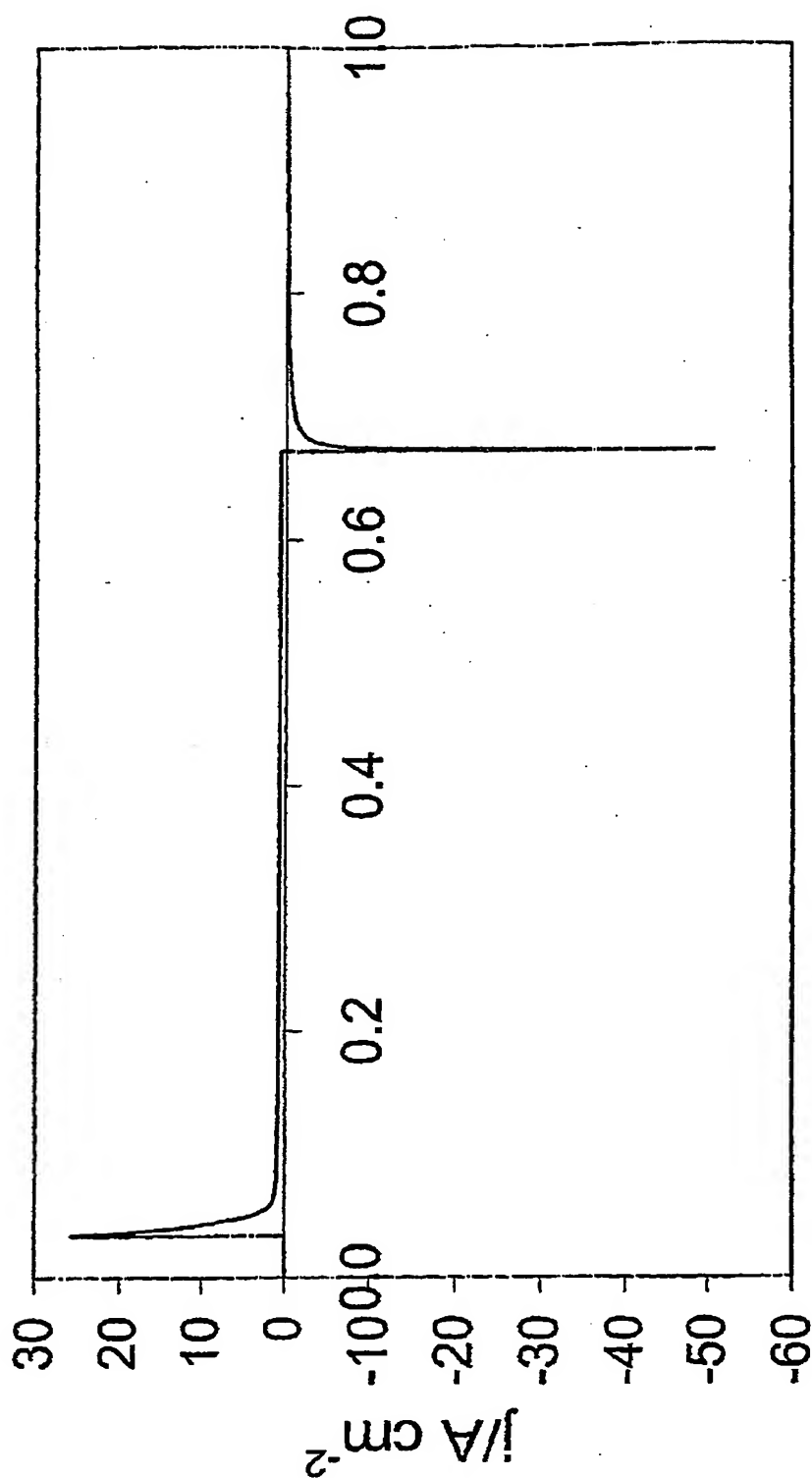
 t/s

Figure 5

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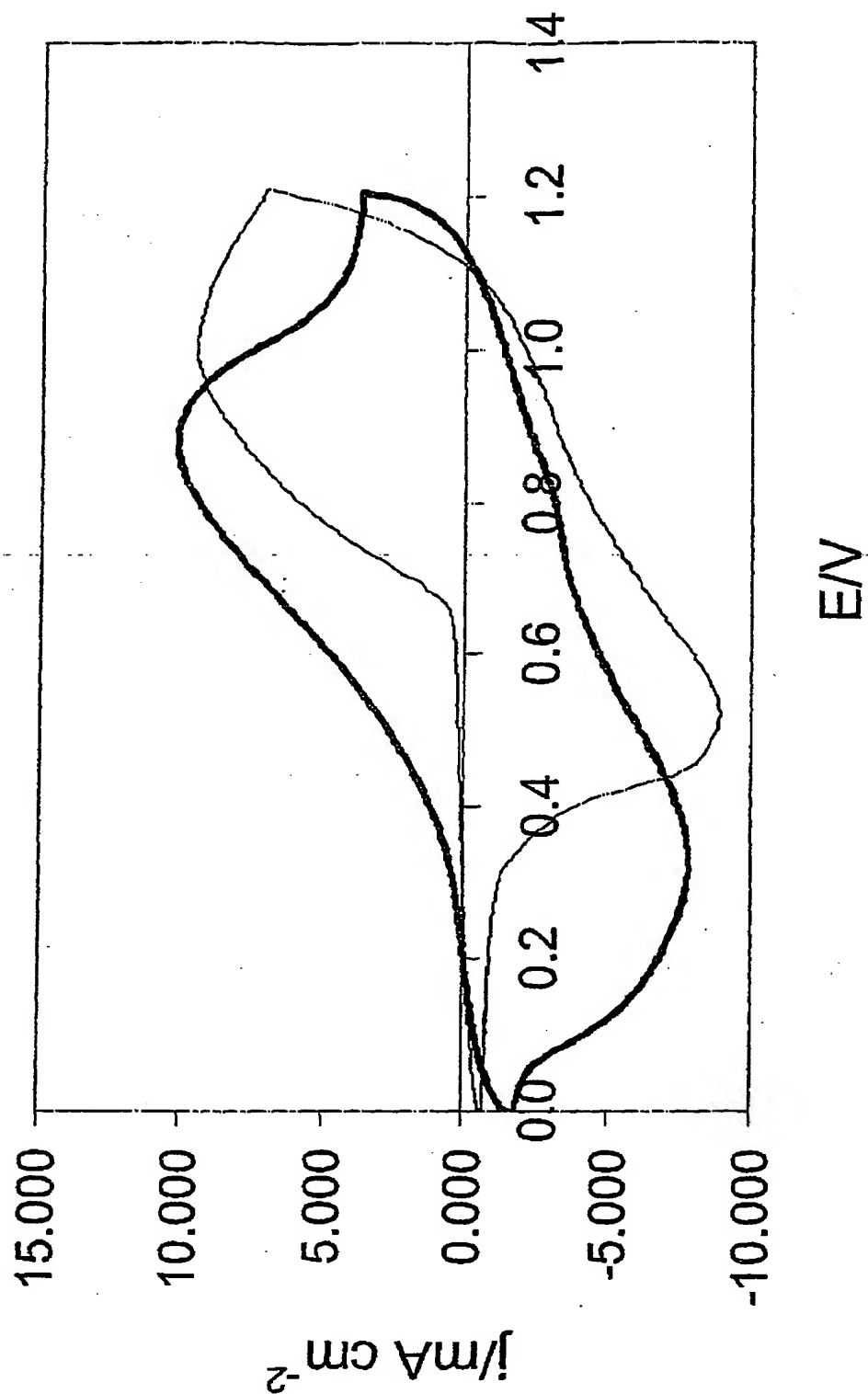


Figure 6.

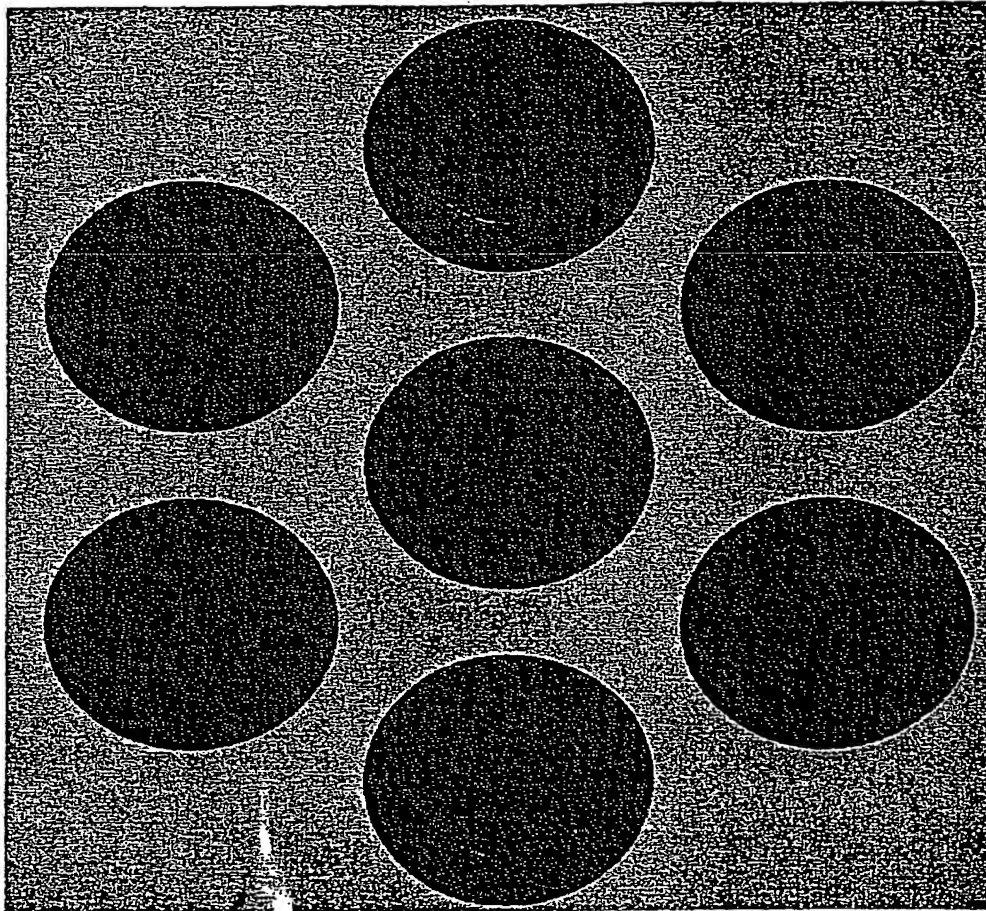


Figure 7

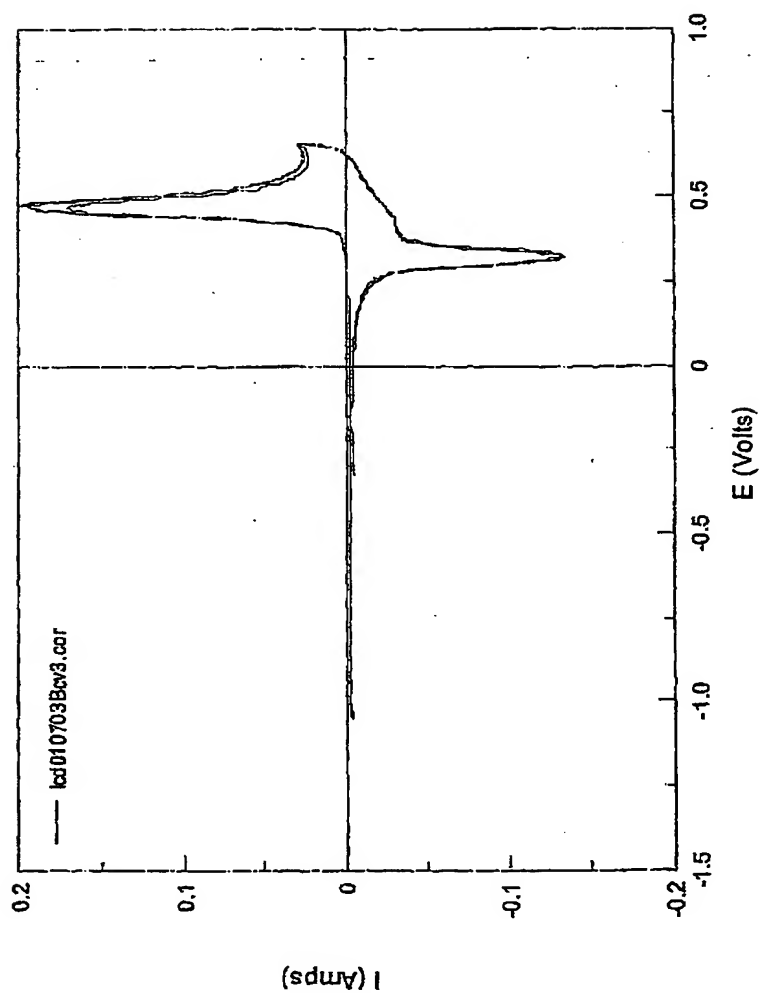


Figure 8 Cyclic voltammogram of nanostructured nickel/nickel hydroxide electrode (8 cm^2 active area) between -1.05 V and 0.65 V vs. Hg/HgO at 20 mV s^{-1} in 6 M KOH at 25°C .

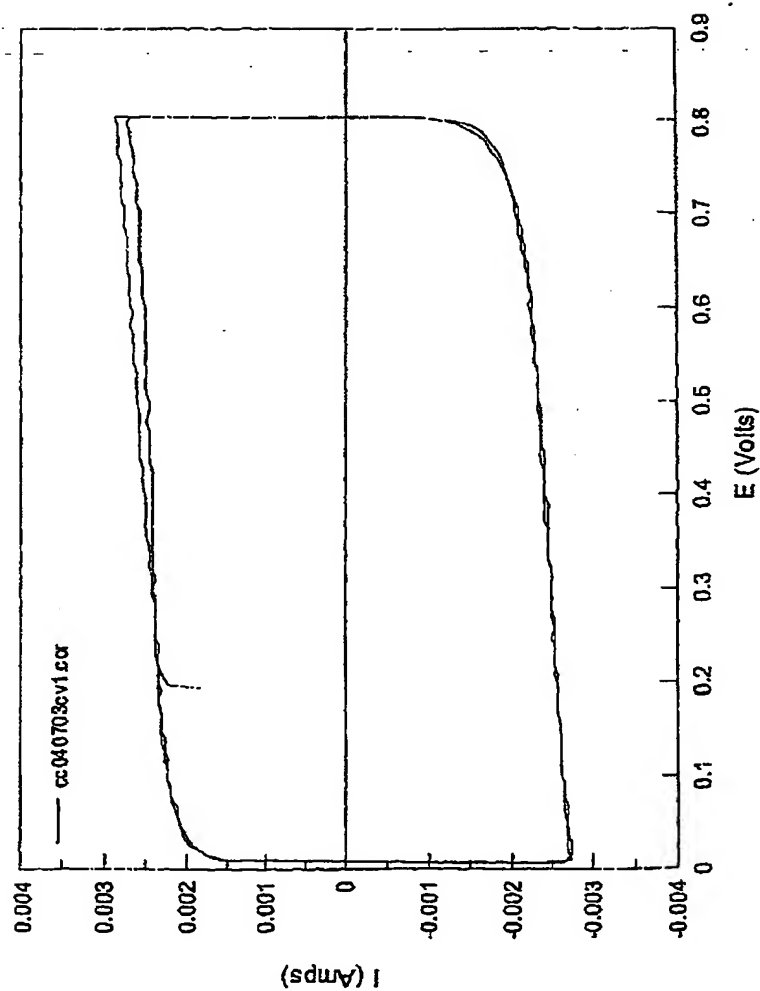


Figure 9 Cyclic voltammogram of high surface area carbon electrode (1.3 cm^2) between 0 V and 0.8 V vs. Hg/HgO at 10 mV s^{-1} in 6 M KOH at 25°C .

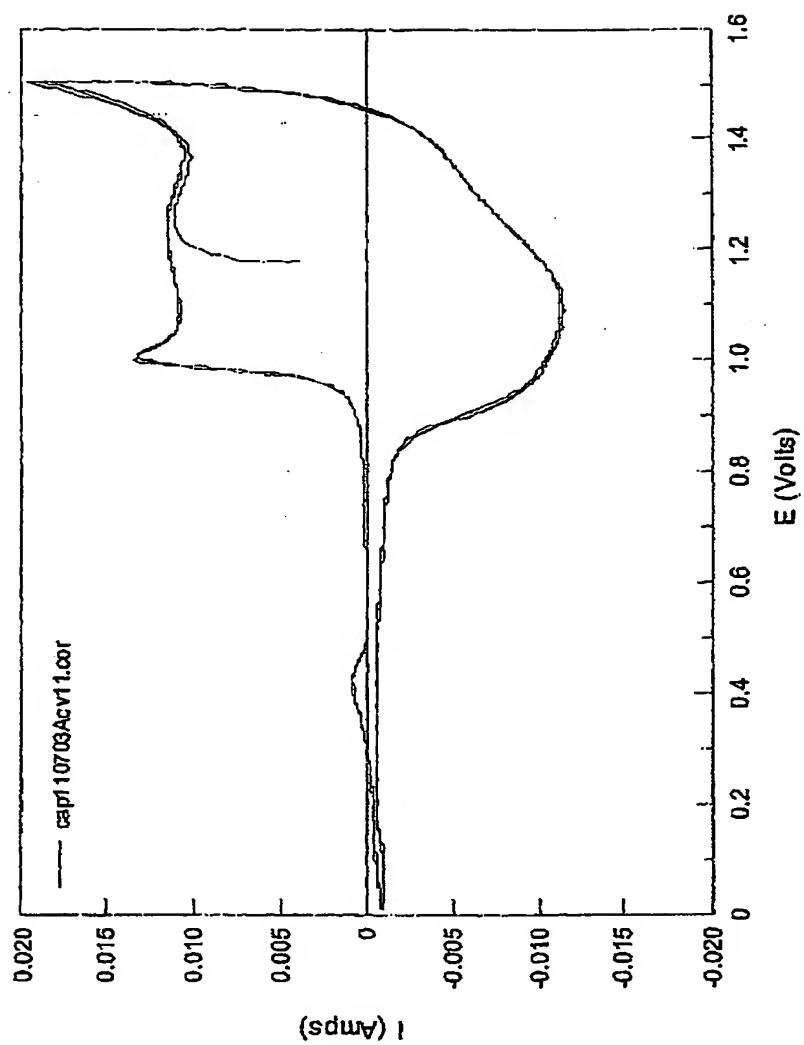


Figure 10 Cyclic voltammogram of nickel-carbon supercapacitor (8 cm^2 , 93.7 mg) between 0 V and 1.5 V in 6 M KOH at 25 °C.

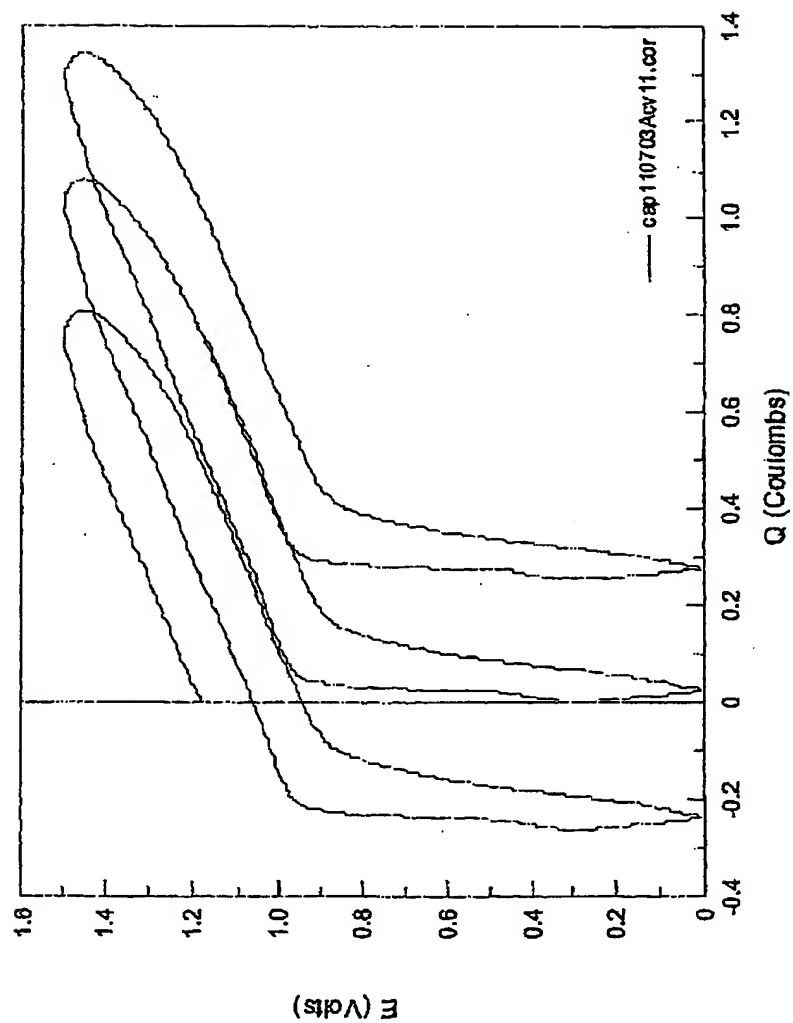


Figure 11 shows the potential-charge relationship of the cyclic voltammogram of nickel-carbon supercapacitor shown in Figure 10.

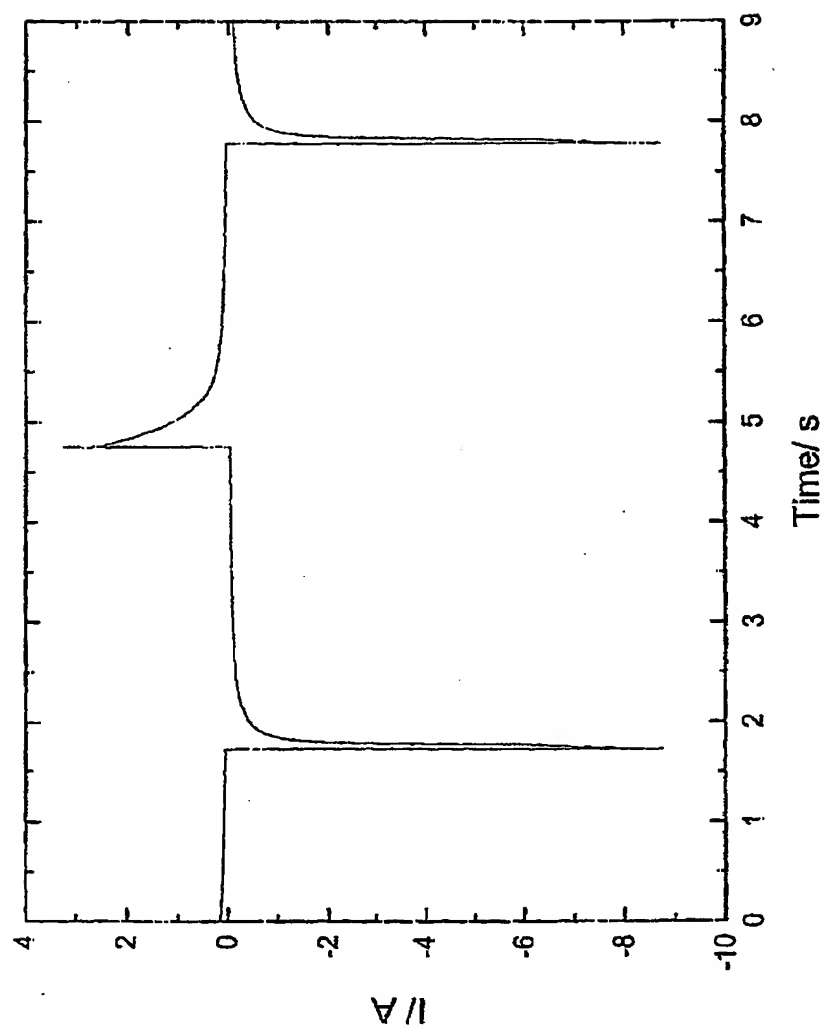


Figure 12 Potential step of nickel-carbon supercapacitor (8 cm^2 , 93.7 mg) pulsed between 0 V and 1.4 V in 6 M KOH at 25°C .

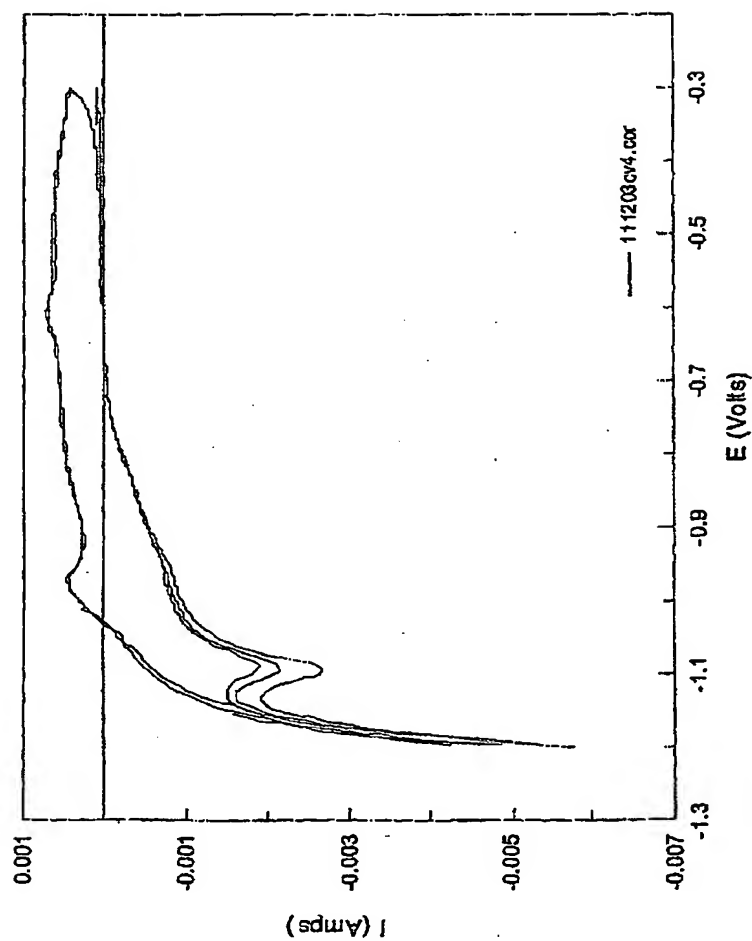


Figure 13 Cyclic voltammogram of liquid crystal templated iron electrode between -0.3 V and -1.2 V vs. Hg/HgO in 6 M KOH at 20 mV s^{-1} and 25 $^{\circ}\text{C}$.

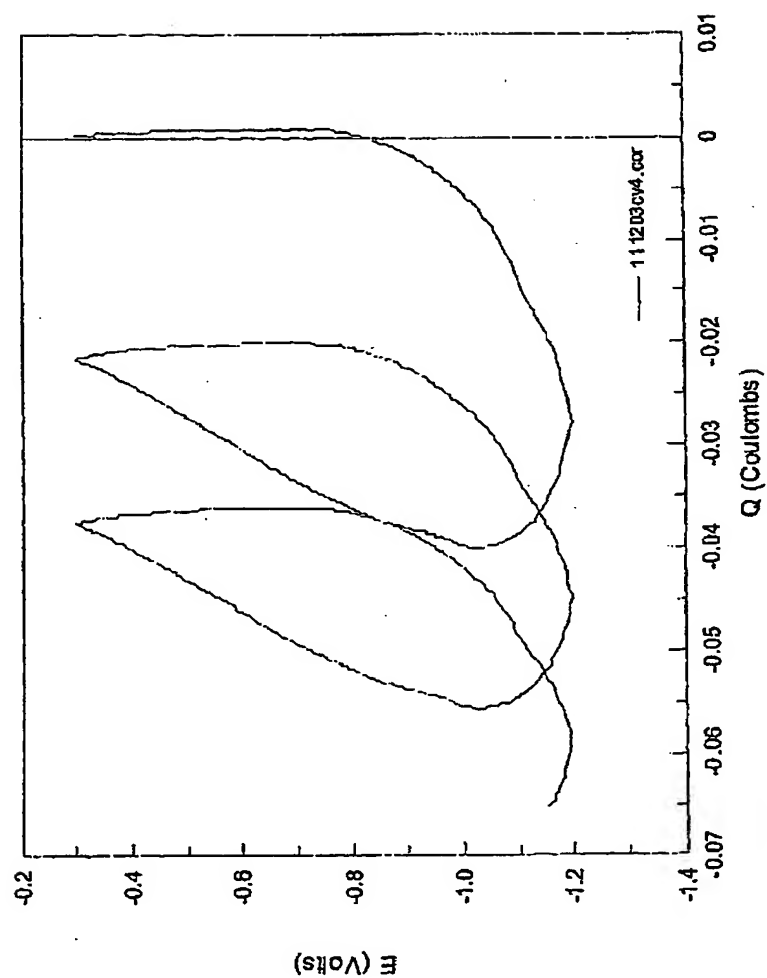


Figure 14 shows the potential-charge relationship of the cyclic voltammogram shown in Figure 13

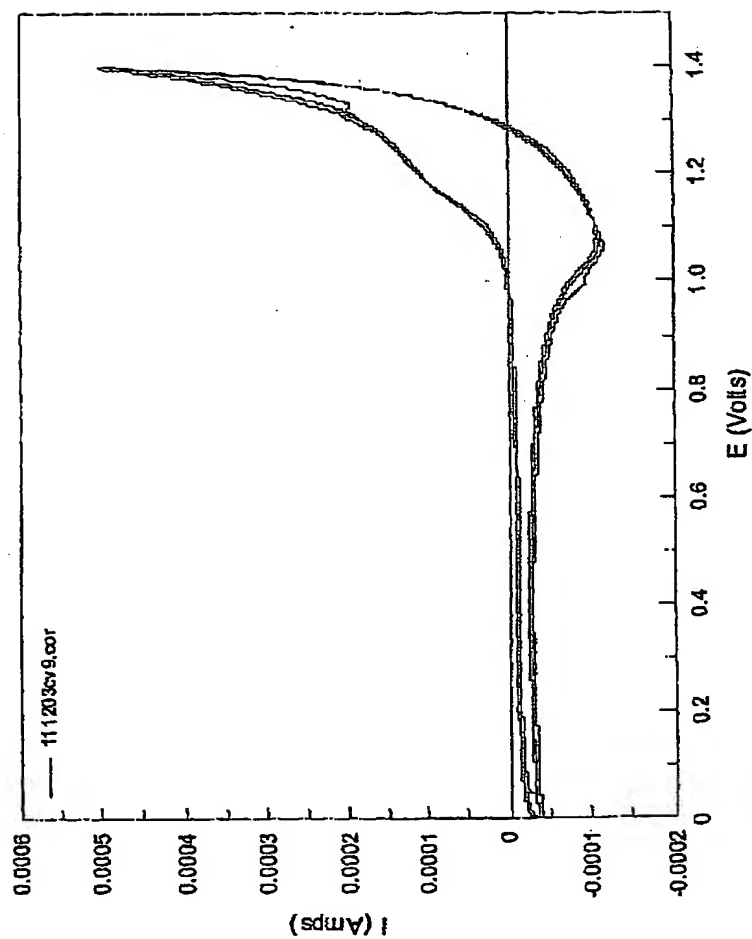


Figure 15 Cyclic voltammogram of mesoporous nickel versus liquid crystal templated iron in a two electrode set-up between 0 V and 1.4 V in 6 M KOH at 5 mV s^{-1} and 25°C .

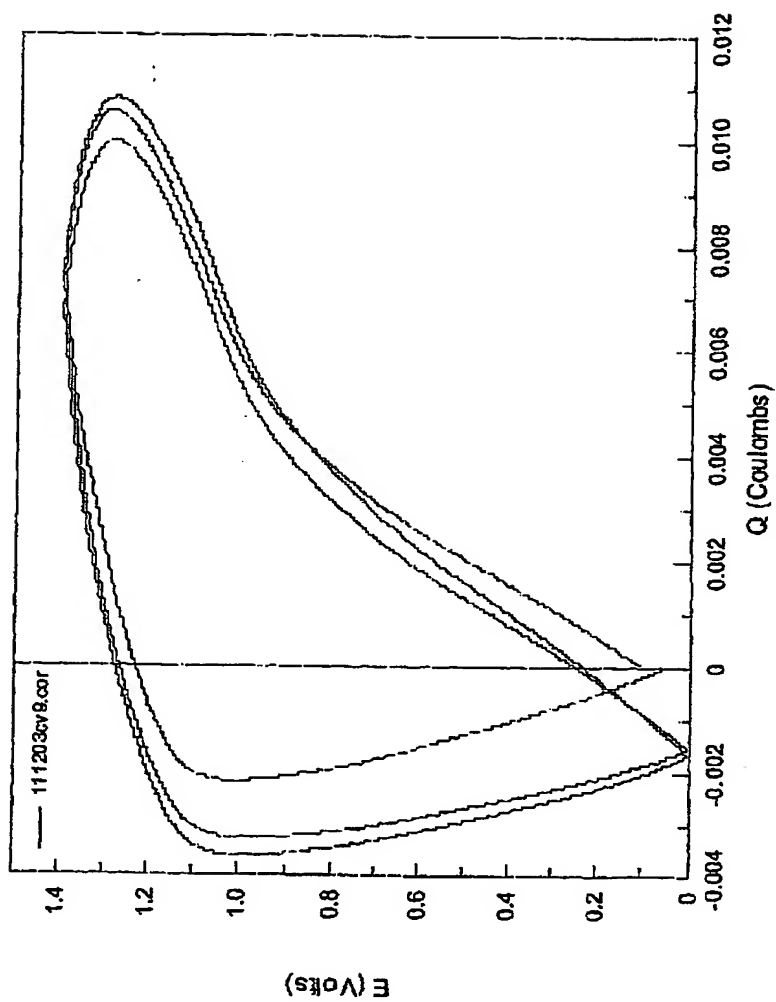


Figure 16 shows the potential-charge relationship of the cyclic voltammogram shown in Figure 15.

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